

A SUPPLY SOURCE PROVIDING MULTIPLE SUPPLY VOLTAGES

Abstract

A system includes a number of electronic devices that uses multiple voltage sources and a supply source to provide the different supply voltages without up-converting a voltage level or down-converting a voltage level. In an embodiment, the supply source is realized using a battery having multiple voltage taps, where the battery provides the multiple voltage sources. In an embodiment, the system is a hearing aid. A single battery includes a common substrate on which a number of battery regions is formed, where each battery region provides a supply voltage at a rated voltage level different than the other battery regions. The common substrate may be configured as a rigid platform, a flexible platform in a folded configuration, a flexible platform in a rolled configuration, or other platform configurations that provide for multiple battery regions on a single platform.

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